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\* Class:Lesson\_10 Ex10.1-9 Pg.10.4-5 Author: Yin Linhai

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\* Answers to the Blue Pelican Lesson 10 exercises

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\* Course:Computer Science 201Teacher:Mr Blakey

\* School:Sir Winston Churchill High School, Calgary, Alberta, Canada

\* Language: Java SE 7.0Target Operating System: Java Virtual Machine

\* System:Intel Celeron 3GHz running under Windows 7 IDE: Eclipse 4.2

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**package** exercises;

**import** java.util.Scanner;

**public** **class** Lesson\_10 {

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\* **@param** args

\*/

**public** **static** **void** main(String[] args) {

//Blue Pelican Lesson 10 exercise

/\*\*Exercise 1

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\* Two permissible data types for a switch are int and char.

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/\*\*Exercise 2

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\* -4

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//Exercise 3

**char** myChar;

**int** y = 0;

Scanner scan = **new** Scanner(System.*in*);

System.*out*.println("Write down a character");

myChar = scan.next().charAt(0);

**switch**(myChar) {

**case** 'g':

**case** 'G': ++y;

**break**;

**case** 'm':

**case** 'M': --y;

**break**;

**default**: y+=100;

**break**;

}

System.*out*.println("y is " + y);

/\*\*Exercise 4

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\* The output of the code is 3

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/\*\*Exercise 5

\*

\* char chr = 'z';

\*/

/\*\*Exercise 6

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\* The first output is "The sum is 1012"

\* The second output is "The sum is 22"

\*/

//Exercise 7

**int** speed = scan.nextInt();

**switch**(speed) {

**case** 75: System.*out*.println("Exceeding speed limit");

**break**;

**case** 70:

**case** 69: System.*out*.println("Getting close");

**break**;

**case** 65: System.*out*.println("Cruising");

**break**;

**default**: System.*out*.println("Very slow");

**break**;

}

/\*\*Exercise 8

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\* No, default is not a necessary part of a switch structure

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//Exercise 9

String s = "x";

**char** chr = s.charAt(0);

}

}